

MÜÜRIKIVIDE KATSEMEETODID. OSA 1:
SURVETUGEVUSE MÄÄRAMINE

Methods of test for masonry units - Part 1:
Determination of compressive strength

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 772-1:2011+A1:2015 sisaldab Euroopa standardi EN 772-1:2011+A1:2015 ingliskeelset teksti.	This Estonian standard EVS-EN 772-1:2011+A1:2015 consists of the English text of the European standard EN 772-1:2011+A1:2015.
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ICS 91.100.25

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English Version

Methods of test for masonry units - Part 1: Determination of compressive strength

Méthodes d'essai des éléments de maçonnerie - Partie 1:
Détermination de la résistance à la compression

Prüfverfahren für Mauersteine - Teil 1: Bestimmung der
Druckfestigkeit

This European Standard was approved by CEN on 25 December 2010 and includes Amendment 1 approved by CEN on 14 May 2015.

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Foreword

This document (EN 772-1:2011+A1:2015) has been prepared by Technical Committee CEN/TC 125 "Masonry", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2015, and conflicting national standards shall be withdrawn at the latest by December 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes A1 EN 772-1:2011. A1

This document includes Amendment 1 approved by CEN on 2015-04-14.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

There have been no technical changes compared to EN 772-1:2000. The opportunity has been taken to introduce a normative Annex B which includes the methods of surface preparation and conditioning for each unit type. This information was previously available in the product specifications only, consequently EN 771-1 now becomes a stand-alone document.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies a method for determining the compressive strength of masonry units.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 771-1, *Specification for masonry units — Part 1: Clay masonry units*

EN 771-2, *Specification for masonry units — Part 2: Calcium silicate masonry units*

EN 771-3, *Specification for masonry units — Part 3: Aggregate concrete masonry units (Dense and lightweight aggregates)*

EN 771-4, *Specification for masonry units — Part 4: Autoclaved aerated concrete masonry units*

EN 771-5, *Specification for masonry units — Part 5: Manufactured stone masonry units*

EN 771-6, *Specification for masonry units — Part 6: Natural stone masonry units*

EN 772-2, *Methods of test for masonry units — Part 2: Determination of percentage area of voids in aggregate concrete masonry units (by paper indentation)*

EN 772-10, *Methods of test for masonry units — Part 10: Determination of moisture content of calcium silicate and autoclaved aerated concrete units*

EN 772-13, *Methods of test for masonry units — Part 13: Determination of net and gross dry density of masonry units (except for natural stone)*

EN 772-16, *Methods of test for masonry units — Part 16: Determination of dimensions*

EN 1015-11, *Methods of test for mortar for masonry — Part 11: Determination of flexural and compressive strength of hardened mortar*

EN ISO 6507-1, *Metallic materials — Vickers hardness test — Part 1: Test method (ISO 6507-1:2005)*

3 Principle

The specimens, after preparation, when needed, are laid and centred on the platen of a compression testing machine. A uniformly distributed load is applied and increased continuously up to failure.

4 Symbols

- f_b normalised compressive strength of masonry unit (N/mm²);
- d shape factor multiplier used to convert the air-dry compressive strength of the masonry specimens to the normalised compressive strength.